

Devi

A4



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/715,876

DATE: 04/15/2002
TIME: 09:30:15

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Output Set: N:\CRF3\04152002\I715876.raw

ENTERED

3 <110> APPLICANT: Edwards Jr., John E., et al.
5 <120> TITLE OF INVENTION: Pharmaceutical Compositions and Methods to Vaccinate Against
Disseminated
6 Candidiasis.
8 <130> FILE REFERENCE: 259/064
10 <140> CURRENT APPLICATION NUMBER: US 09/715,876
11 <141> CURRENT FILING DATE: 2000-11-18
13 <160> NUMBER OF SEQ ID NOS: 8
15 <170> SOFTWARE: PatentIn version 3.0
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18 <211> LENGTH: 33
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63 <211> LENGTH: 22
64 <212> TYPE: DNA
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81 aaaggccag gatacccaac ttggaatgct gttttgggtt ggtccttaga tgggtaccagt 180
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85 caaacatctg ttgatttaac tgccgatggt gttaaataatg ctacttgta attttattct 300
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89 tccattaagg catttggtac agttacttta ccaattgcat tcaatgttgg tggaaacagg 420
91 tcatcaactg atttgaaga ttctaaatgt ttactgctg gtaccaatac agtcacattt 480
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159 agcacaacct ccgatttgtc aacatttgaa tcttcatcca tgaatactcc tacttctatc 2520
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167 atgtctgatt cactttcttc aactgatggt attagtgcga catcttctga taatgtttca 2760
169 aaatcaggag tatcagttac aaccgaaact tctgttacia ctattcaaac tactccaaac 2820
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199 gttacctcat cctcaccttc aaccaacaca ttcatgtctt ctacatacga tggctctggt 3720
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203 tagtga 3786

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206 <210> SEQ ID NO: 8

207 <211> LENGTH: 1260

208 <212> TYPE: PRT

209 <213> ORGANISM: Candida albicans

211 <400> SEQUENCE: 8

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217 20 25 30
219 Ser Asn Ala Ala Asn Tyr Ala Phe Lys Gly Pro Gly Tyr Pro Thr Trp
220 35 40 45
222 Asn Ala Val Leu Gly Trp Ser Leu Asp Gly Thr Ser Ala Asn Pro Gly
223 50 55 60
225 Asp Thr Phe Thr Leu Asn Met Pro Cys Val Phe Lys Tyr Thr Thr Ser
226 65 70 75 80
228 Gln Thr Ser Val Asp Leu Thr Ala Asp Gly Val Lys Tyr Ala Thr Cys
229 85 90 95
231 Gln Phe Tyr Ser Gly Glu Glu Phe Thr Thr Phe Ser Thr Leu Thr Cys
232 100 105 110
234 Thr Val Asn Asp Ala Leu Lys Ser Ser Ile Lys Ala Phe Gly Thr Val
235 115 120 125
237 Thr Leu Pro Ile Ala Phe Asn Val Gly Gly Thr Gly Ser Ser Thr Asp
238 130 135 140
240 Leu Glu Asp Ser Lys Cys Phe Thr Ala Gly Thr Asn Thr Val Thr Phe
241 145 150 155 160
243 Asn Asp Gly Asp Lys Asp Ile Ser Ile Asp Val Glu Phe Glu Lys Ser
244 165 170 175
246 Thr Val Asp Pro Ser Ala Tyr Leu Tyr Ala Ser Arg Val Met Pro Ser

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247          180          185          190
249 Leu Asn Lys Val Thr Thr Leu Phe Val Ala Pro Gln Cys Glu Asn Gly
250          195          200          205
252 Tyr Thr Ser Gly Thr Met Gly Phe Ser Ser Ser Asn Gly Asp Val Ala
253          210          215          220
255 Ile Asp Cys Ser Asn Ile His Ile Gly Ile Thr Lys Gly Leu Asn Asp
256 225          230          235          240
258 Trp Asn Tyr Pro Val Ser Ser Glu Ser Phe Ser Tyr Thr Lys Thr Cys
259          245          250          255
261 Thr Ser Asn Gly Ile Gln Ile Lys Tyr Gln Asn Val Pro Ala Gly Tyr
262          260          265          270
264 Arg Pro Phe Ile Asp Ala Tyr Ile Ser Ala Thr Asp Val Asn Gln Tyr
265          275          280          285
267 Thr Leu Ala Tyr Thr Asn Asp Tyr Thr Cys Ala Gly Ser Arg Leu Gln
268          290          295          300
270 Ser Lys Pro Phe Thr Leu Arg Trp Thr Gly Tyr Lys Asn Ser Asp Ala
271 305          310          315          320
273 Gly Ser Asn Gly Ile Val Ile Val Ala Thr Thr Arg Thr Val Thr Asp
274          325          330          335
276 Ser Thr Thr Ala Val Thr Thr Leu Pro Phe Asn Pro Ser Val Asp Lys
277          340          345          350
279 Thr Lys Thr Ile Glu Ile Leu Gln Pro Ile Pro Thr Thr Thr Ile Thr
280          355          360          365
282 Thr Ser Tyr Val Gly Val Thr Thr Ser Tyr Leu Thr Lys Thr Ala Pro
283          370          375          380
285 Ile Gly Glu Thr Ala Thr Val Ile Val Asp Val Pro Tyr His Thr Thr
286 385          390          395          400
288 Thr Thr Val Thr Ser Glu Trp Thr Gly Thr Ile Thr Thr Thr Thr
289          405          410          415
291 Arg Thr Asn Pro Thr Asp Ser Ile Asp Thr Val Val Val Gln Val Pro
292          420          425          430
294 Leu Pro Asn Pro Thr Val Ser Thr Thr Glu Tyr Trp Ser Gln Ser Phe
295          435          440          445
297 Ala Thr Thr Thr Val Thr Ala Pro Pro Gly Gly Thr Asp Thr Val
298          450          455          460
300 Ile Ile Arg Glu Pro Pro Asn His Thr Val Thr Thr Thr Glu Tyr Trp
301 465          470          475          480
303 Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Ala Pro Pro Gly Gly
304          485          490          495
306 Thr Asp Ser Val Ile Ile Arg Glu Pro Pro Asn Pro Thr Val Thr Thr
307          500          505          510
309 Thr Glu Tyr Trp Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Ala
310          515          520          525
312 Pro Pro Gly Gly Thr Asp Ser Val Ile Ile Arg Glu Pro Pro Asn Pro
313          530          535          540
315 Thr Val Thr Thr Thr Glu Tyr Trp Ser Gln Ser Tyr Ala Thr Thr Thr
316 545          550          555          560
318 Thr Val Thr Ala Pro Pro Gly Gly Thr Asp Ser Val Ile Ile Arg Glu
319          565          570          575

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322          580          585          590
324 Ala Thr Thr Thr Val Thr Ala Pro Pro Gly Gly Thr Asp Thr Val
325          595          600          605
327 Ile Ile Arg Glu Pro Pro Asn His Thr Val Thr Thr Glu Tyr Trp
328          610          615          620
330 Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Gly Pro Pro Ser Gly
331 625          630          635          640
333 Thr Asp Thr Val Ile Ile Arg Glu Pro Pro Asn Pro Thr Val Thr Thr
334          645          650          655
336 Thr Glu Tyr Trp Ser Gln Ser Tyr Ala Thr Thr Thr Thr Ile Thr Ala
337          660          665          670
339 Pro Pro Gly Glu Thr Asp Thr Val Leu Ile Arg Glu Pro Pro Asn His
340          675          680          685
342 Thr Val Thr Thr Thr Glu Tyr Trp Ser Gln Ser Tyr Ala Thr Thr Thr
343          690          695          700
345 Thr Val Thr Ala Pro Pro Gly Glu Thr Asp Thr Val Leu Ile Arg Glu
346 705          710          715          720
348 Pro Pro Asn His Thr Val Thr Thr Thr Glu Tyr Trp Ser Gln Ser Tyr
349          725          730          735
351 Ala Thr Thr Thr Thr Val Thr Ala Pro Pro Gly Gly Thr Asp Thr Val
352          740          745          750
354 Ile Ile Arg Glu Pro Pro Asn Pro Thr Val Thr Thr Thr Glu Tyr Trp
355          755          760          765
357 Ser Gln Ser Phe Ala Thr Thr Thr Thr Val Thr Ala Pro Pro Gly Gly
358          770          775          780
360 Thr Asp Thr Val Ile Ile Tyr Glu Ser Met Ser Ser Ser Lys Ile Ser
361 785          790          795          800
363 Thr Ser Ser Asn Asp Ile Thr Ser Ile Ile Pro Ser Phe Ser Arg Pro
364          805          810          815
366 His Tyr Val Asn Ser Thr Thr Ser Asp Leu Ser Thr Phe Glu Ser Ser
367          820          825          830
369 Ser Met Asn Thr Pro Thr Ser Ile Ser Ser Asp Gly Met Leu Leu Ser
370          835          840          845
372 Ser Thr Thr Leu Val Thr Glu Ser Glu Thr Thr Thr Glu Leu Ile Cys
373          850          855          860
375 Ser Asp Gly Lys Glu Cys Ser Arg Leu Ser Ser Ser Ser Gly Ile Val
376 865          870          875          880
378 Thr Asn Pro Asp Ser Asn Glu Ser Ser Ile Val Thr Ser Thr Val Pro
379          885          890          895
381 Thr Ala Ser Thr Met Ser Asp Ser Leu Ser Ser Thr Asp Gly Ile Ser
382          900          905          910
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385          915          920          925
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388          930          935          940
390 Ser Val Thr Ser Leu Thr Gln Leu Ser Ser Ile Pro Ser Val Ser Glu
391 945          950          955          960
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VERIFICATION SUMMARY

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